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[NO/NO]; Tangen Terrasse 15 A, N-1450 Nesoddtangen (NO).

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(71) Applicant (*for all designated States except US*): **THE NORWEGIAN RADIUM HOSPITAL RESEARCH FOUNDATION** [NO/NO]; Montebello, N-0310 Oslo (NO).

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): **EKSTROM, Per, Olaf**

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(54) Title: **OSCILLATING TEMPERATURE CAPILLARY ELECTROPHORESIS AND USES THEREFOR**

(57) Abstract: Methods for separating biomolecules using oscillating temperature electrophoresis are disclosed. Uses for such methods are also disclosed including high throughput screening, estimation of allele frequencies, identification of polymorphisms, and separation of DNA molecules.

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